



INSTALLATION INSTRUCTIONS

Holley LS3 Drive-By-Wire Air Cleaner Assemblies

16 Inch Round P/Ns 120-500 & 120-501 / Dual Snorkel P/Ns: 120-520 & 120-521

REQUIRED COMPONENTS FOR INSTALLATION:

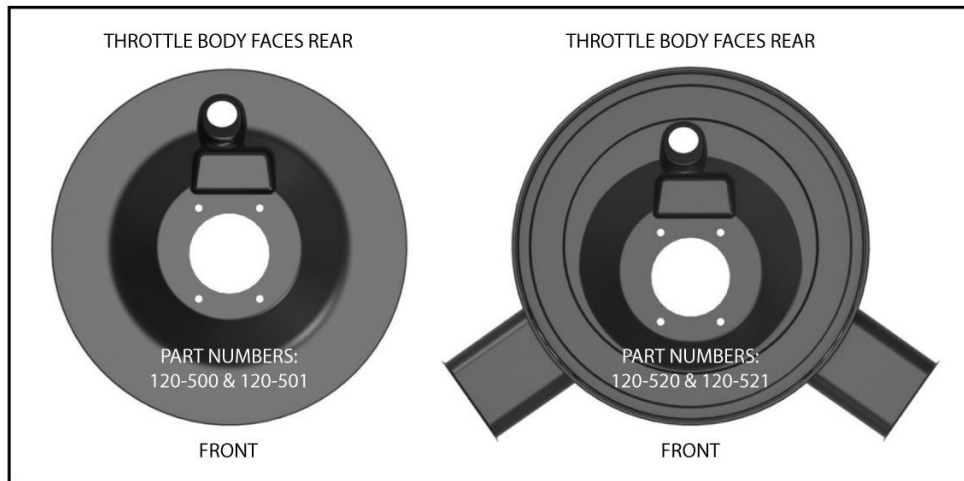
92mm OEM or Similar LS3 Drive-By-Wire Throttle Body

4150-Flanged EFI Intake Manifold

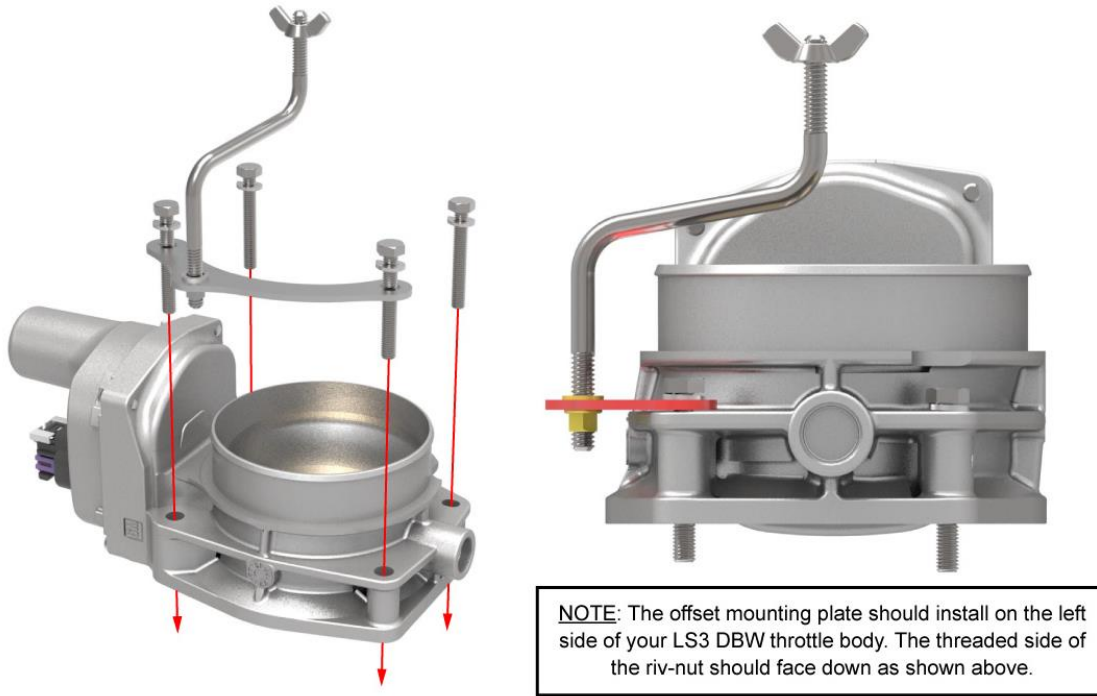
Holley P/N 17-93, 4150 to 92mm LS Drive-By-Wire Throttle Body Adapter

- 1.) Place the drive-by-wire (DBW) air cleaner baseplate onto the upper O-ring flange of your pre-installed 4150 to 92mm drive-by-wire throttle body adapter (Holley PN 17-93). The indentations and offset hole in the baseplate should point towards the back of the vehicle, and the opening in the baseplate should be centered over the throttle body adapter.

NOTE: While the air cleaner and throttle body are removed, it is recommended to plug the intake ports to ensure that nothing can fall into them during installation.



- 2.) Set the included LS3 DBW throttle body gasket in place inside the baseplate, followed by your LS3 DBW throttle body. Once the baseplate assembly is loosely in place, check to make sure that the throttle body gasket is lying flat and that all (x4) bolt holes align.
- 3.) Before installing any mounting hardware, route the wiring harness and plug for the throttle body through the large hole in the back of the baseplate. Once the plug is through the baseplate, use the included split grommet to create a seal around the wiring harness. Plug the connector into the throttle body and use the grommet to seal the larger through hole in the baseplate.
- 4.) Align the included offset mounting plate over the two bolt holes on the passenger's side of your 92mm throttle body with the pre-installed riv-nut facing down.
- 5.) Install the included extended mounting bolts (M6x1, 45mm long) and split-lock washers (M6) in order to secure the offset mounting plate, throttle body, drive-by-wire baseplate, and throttle body gasket to the throttle body adapter. Before tightening, ensure that all components are resting flat and cleanly upon one another with no obstructions. Torque each mounting bolt to 90 in-lbs.



- 6.) Thread the bent rod clockwise into the riv-nut in the offset mounting plate. For now, just thread the longer end of the bent rod into the riv-nut so that 2-3 threads are visible below. This component will not tighten down fully, but should remain free to spin and align with the hole in your air cleaner lid once installed.
- 7.) Place the air cleaner filter element in place within the baseplate. There is a well-defined flat area the filter element should rest on.
- 8.) Install the air cleaner lid over the assembly using the included wing nut and the bent rod that was loosely installed in Step 6. If there is too much or too little threaded rod to spin on the wing nut, remove the air cleaner lid, spin the bent rod 1-2 revolutions in either direction, and reinstall the air cleaner lid and wing nut.

NOTE: Before mounting your air cleaner lid for the final time, be sure to remove any bore plugs that were inserted during installation.

- 9.) Carefully check the hood clearance before completely closing the hood.

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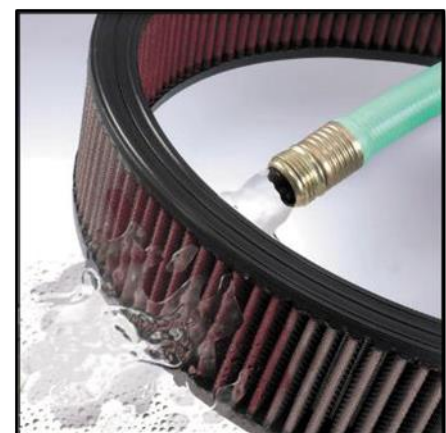
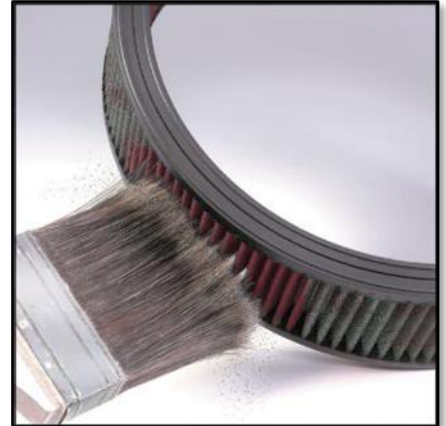
HOLLEY PREMIUM AIR FILTER CLEANING INSTRUCTIONS

1. Pre-clean by lightly tapping the filter to loosen any embedded dirt particles. If any dirt remains, then lightly brush with a soft bristle brush. (If this step has sufficiently cleaned the filter element, then simply re-oil and re-install.)
2. Spray an ample amount of air filter cleaner on the entire filter element and let it soak in for approximately 10 minutes. Only use labeled air filter cleaners, because harsh detergents, cleaning solutions, or solvents can damage the filter element and impair its ability to work effectively. Mr. Gasket offers an air filter cleaner and oil kit available on Holley.com (PN 78060G).
3. Rinse the element with LOW-PRESSURE water from the clean side through the filter to the dirty side. This removes the dirt without washing it deeper into the cotton mesh of the filter element.
4. Allow the filter to dry naturally without the aid of compressed air or heat dryers. Compressed air can blow a hole in the cotton mesh and excessive heat can cause it to shrink; both of which can impair the element's ability to work effectively.
5. Lightly apply an even coat of filter oil to your air filter element. Do not drench your filter element in oil – a light, even coat is enough for proper functionality. Allow the oil to completely soak into the filter before installation.

IMPORTANT! You must never use a *Holley Premium Air Filter* without filter oil. The oil prevents dirt from passing through the filter element.

6. Re-install your *Holley Premium Filter*, making sure that the element seats properly within the filter case. Replace the cover, add any bolts, clips, etc. and tighten to factory specifications.

Your *Holley Premium Air Filter* will need to be cleaned and re-oiled in 50,000 to 100,000 miles!



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